Product Datasheet

eNOS (Phospho-Thr495) Antibody

Catalog No: #11711

Package Size: #11711-1 50ul #11711-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

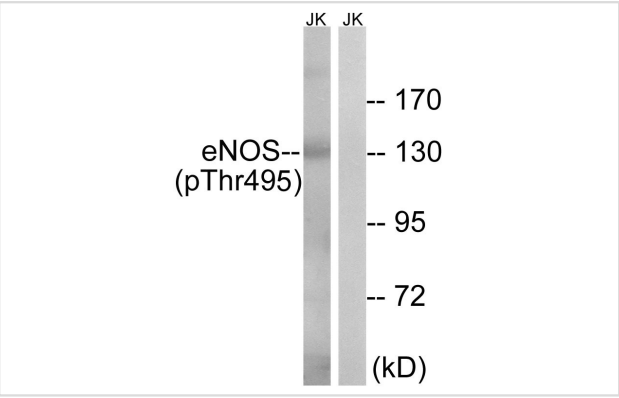
Description

Product Name	eNOS (Phospho-Thr495) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of eNOS only when phosphorylated at threonine 495.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 495 (K-K-T(p)-F-K derived from Human eNOS .
Target Name	eNOS
Modification	Phospho
Other Names	cNOS; EC-NOS; ECNOS; NOS; NOS3
Accession No.	Swiss-Prot#: P29474; NCBI Gene#: 4846; NCBI Protein#: NP_000594.2.
Uniprot	P29474
GeneID	4846;
SDS-PAGE MW	140kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Jurkat cells and HepG2 cells using eNOS (Phospho-Thr495) Antibody #11711.The lane on the right is treated with the antigen-specific peptide.

Background

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.

Janssens S.P., J. Biol. Chem. 267:14519-14522(1992).

Janssens S.P., J. Biol. Chem. 267:22694-22694(1992).

Marsden P.A., FEBS Lett. 307:287-293(1992)

Note: This product is for in vitro research use only